



SEQUENCE LISTING

<110> Unsicker, Klaus.
Krieglstein, Kerstin.

<120> Neuroprotective properties of GDF-15, a novel member of
the TGF- β superfamily

<130> MBP-007XX

<140> US 10/009,431
<141> 2002-2-13

<150> PCT/EP00/04445
<151> 2000-05-16

<150> EP 99 109 714.8
<151> 1999-05-17

<160> 7

<170> PatentIn Ver. 2.1

<210> 1
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<212> DNA
<213> Homo sapiens

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 20 25 30
 Leu His Thr Glu Asp Ser Arg Phe Arg Glu Leu Arg Lys Arg Tyr Glu
 35 40 45
 Asp Leu Leu Thr Arg Leu Arg Ala Asn Gln Ser Trp Glu Asp Ser Asn
 50 55 60
 Thr Asp Leu Val Pro Ala Pro Ala Val Arg Ile Leu Thr Pro Glu Val
 65 70 75 80
 Arg Leu Gly Ser Gly Gly His Leu His Leu Arg Ile Ser Arg Ala Ala
 85 90 95
 Leu Pro Glu Gly Leu Pro Glu Ala Ser Arg Leu His Arg Ala Leu Phe
 100 105 110
 Arg Leu Ser Pro Thr Ala Ser Arg Ser Trp Asp Val Thr Arg Pro Leu
 115 120 125
 Arg Arg Gln Leu Ser Leu Ala Arg Pro Gln Ala Pro Ala Leu His Leu
 130 135 140
 Arg Leu Ser Pro Pro Pro Ser Gln Ser Asp Gln Leu Leu Ala Glu Ser
 145 150 155 160
 Ser Ser Ala Arg Pro Gln Leu Glu Leu His Leu Arg Pro Gln Ala Ala
 165 170 175
 Arg Gly Arg Arg Arg Ala Arg Ala Arg Asn Gly Asp His Cys Pro Leu
 180 185 190
 Gly Pro Gly Arg Cys Cys Arg Leu His Thr Val Arg Ala Ser Leu Glu
 195 200 205
 Asp Leu Gly Trp Ala Asp Trp Val Leu Ser Pro Arg Glu Val Gln Val
 210 215 220
 Thr Met Cys Ile Gly Ala Cys Pro Ser Gln Phe Arg Ala Ala Asn Met
 225 230 235 240
 His Ala Gln Ile Lys Thr Ser Leu His Arg Leu Lys Pro Asp Thr Val
 245 250 255
 Pro Ala Pro Cys Cys Val Pro Ala Ser Tyr Asn Pro Met Val Leu Ile
 260 265 270
 Gln Lys Thr Asp Thr Gly Val Ser Leu Gln Thr Tyr Asp Asp Leu Leu
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Leu His Thr Val Arg Ala Ser Leu Glu Asp Leu Gly Trp Ala Asp Trp
20 25 30

Val Leu Ser Pro Arg Glu Val Gln Val Thr Met Cys Ile Gly Ala Cys
35 40 45

Pro Ser Gln Phe Arg Ala Ala Asn Met His Ala Gln Ile Lys Thr Ser
50 55 60

Leu His Arg Leu Lys Pro Asp Thr Val Pro Ala Pro Cys Cys Val Pro
65 70 75 80

Ala Ser Tyr Asn Pro Met Val Leu Ile Gln Lys Thr Asp Thr Gly Val
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Ser Leu Gln Thr Tyr Asp Asp Leu Leu Ala Lys Asp Cys His Cys Ile
100 105 110

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<210> 6
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<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Peptide
derived from the murine and rat C-terminal
sequence of GDF-15

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His Arg Thr Asp Ser Gly Val Ser Leu Gln Thr Tyr Asp Asp Leu
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<220>
<221> PEPTIDE
<222> (1)..(15)
<223> Peptide corresponds to amino acids 273 to 287 of
human pre-pro-mature GDF-15

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